

Abstract

An encryption management system for a network. The system connects between a protected network and an unprotected network, and manages both encryption and decryption of a payload to be sent between the networks. The encryption and decryption uses different cryptography systems which are optimized for different kinds of encryption and decryption. For example, one system uses a hardwired encryptor while other systems may use a software encryptor. The signing keys are stored in a separate management unit which is connected to the main encryptor over a separate network interface and communicates with the main processor using simple network management protocol.